

THREE-DIMENSIONAL STRUCTURING OF WORKPIECE SURFACE USING UV LASER BEAM - WITH FLEXIBLE PATTERN PROD. DEVICE MADE OF MOVABLE REFLECTOR RODS OR DISCS WITH OPENINGS CUT INTO THEIR CIRCUMFERENCES

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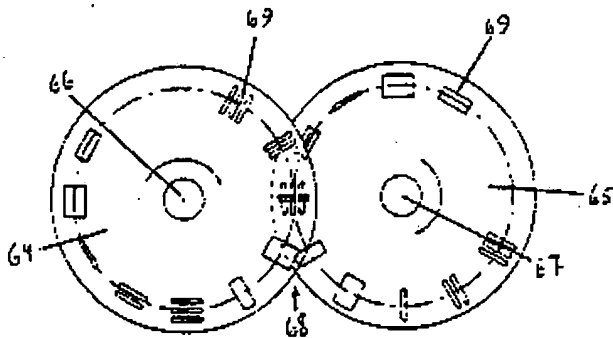
PATENT FAMILY

Patent Number: DE 4213106 A 19921105

Abstract: DE 4213106 A

Structuring the surface of workpieces using an UV laser beam source and a beam forming device in which the latter is a variable pattern shaping device which can be altered from one layer to another to selectively reflect part of the beam whilst allowing another part to be transmitted towards the workpiece. The depth of each layer produced on the workpiece is controlled by the pulsing or other parameter of the laser beam.

ADVANTAGE - A reliable method of structuring a surface with complex geometrical shapes.



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